OPTICS AN/PEQ2A AND AN/PVS7B

CHARACTERISTICS

- Handheld Illuminator / Pointer
- Weapon Mounted
- Accurately Direct fire
- Illuminate and Designate Targets

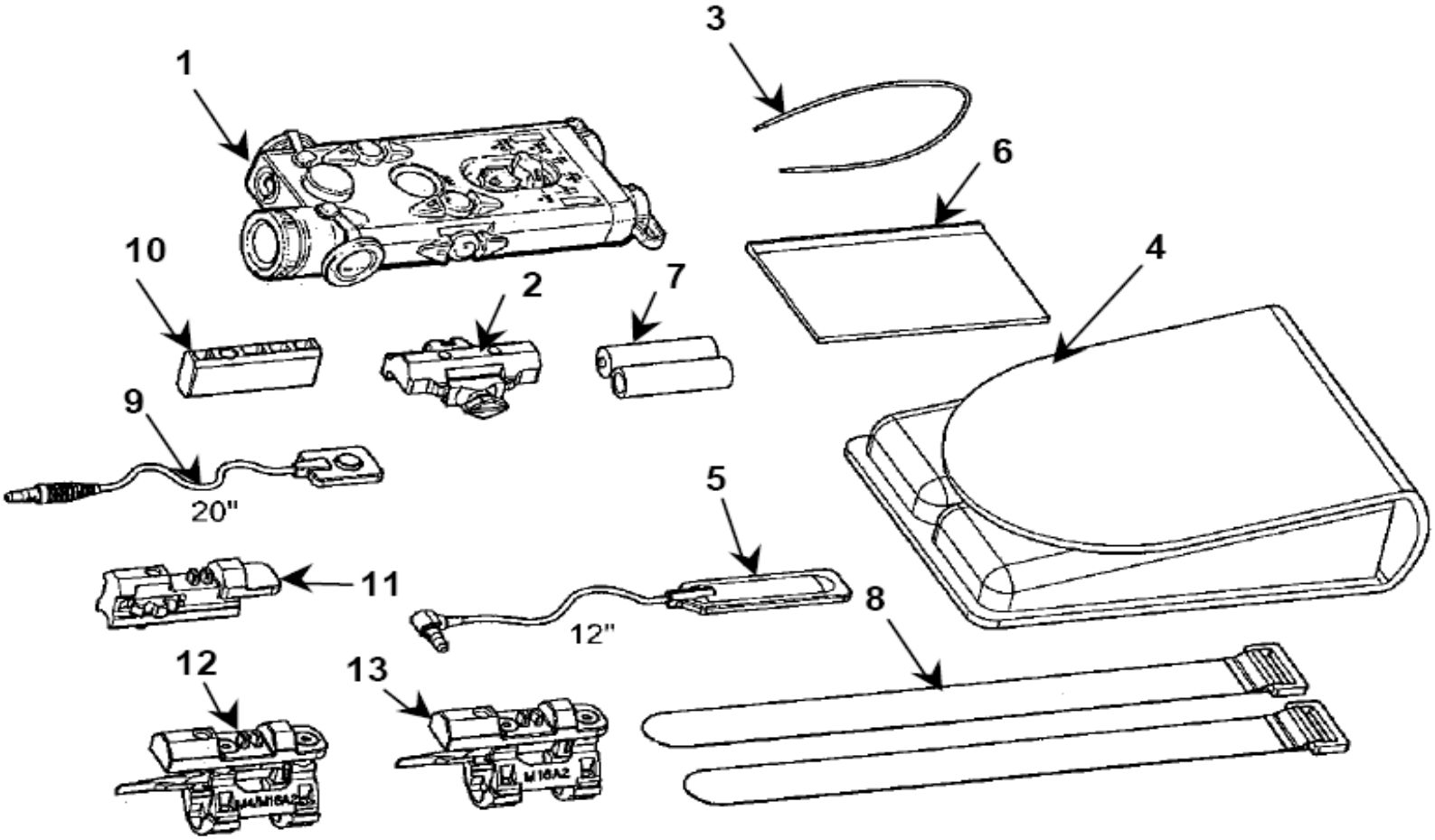
DESCRIPTION

- Class 3B laser
- Adjustable bezel to vary size of illumination beam
- Safety block for training

GENERAL CHARACTERISTICS

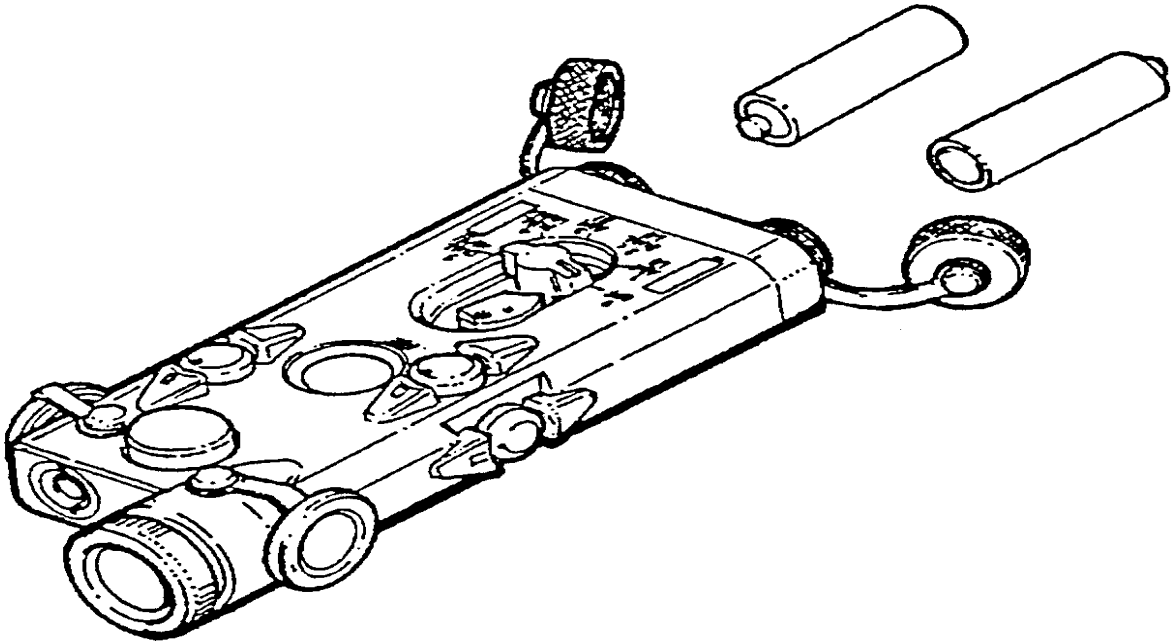
Weight (with two AA Batteries)	9.5 ounces
Length	16.26 cm. (6.4 in.)
Width	7.12 cm. (2.8 in.)
Height	3.05 cm. (1.2 in.)
PERFORMANCE Output Power	
Aim	25 mW (±10%)
Illuminator	30 mW (+50,-20%)
Beam Divergence	
Aim	0.5 mrad
Illuminator	1.0 – 105 mrad (min)
Battery Life	> 1 Hour in DUAL HI/HI

AN/PEQ-2A MAJOR COMPONENTS



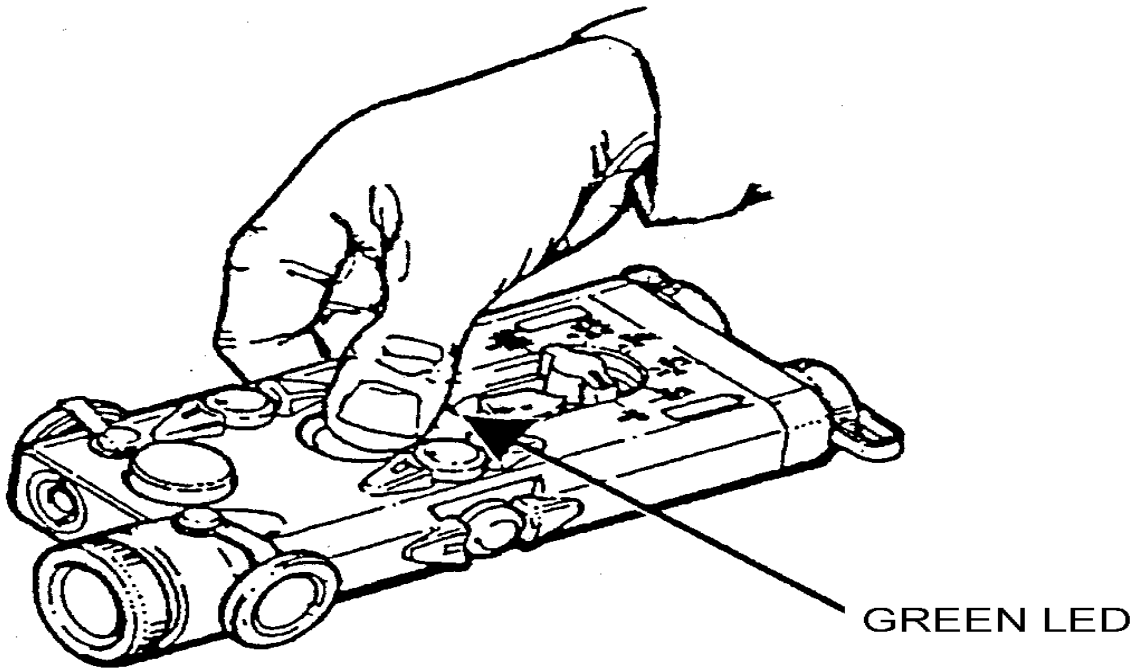
OPERATING INSTRUCTIONS

- Battery Installation.



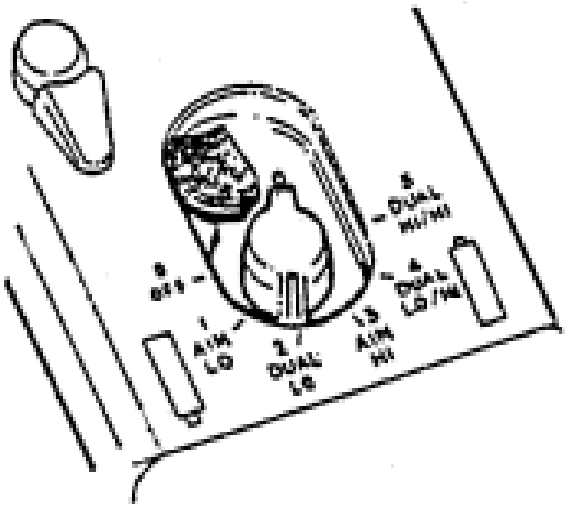
MODE SELECTOR SWITCH

- Six positions.

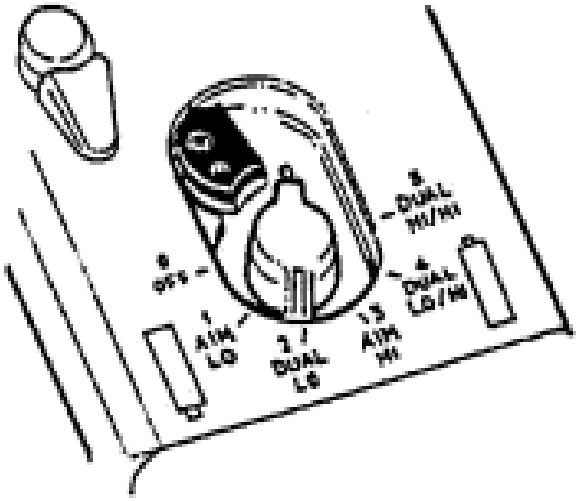


SAFETY BLOCK

- Safety Block.



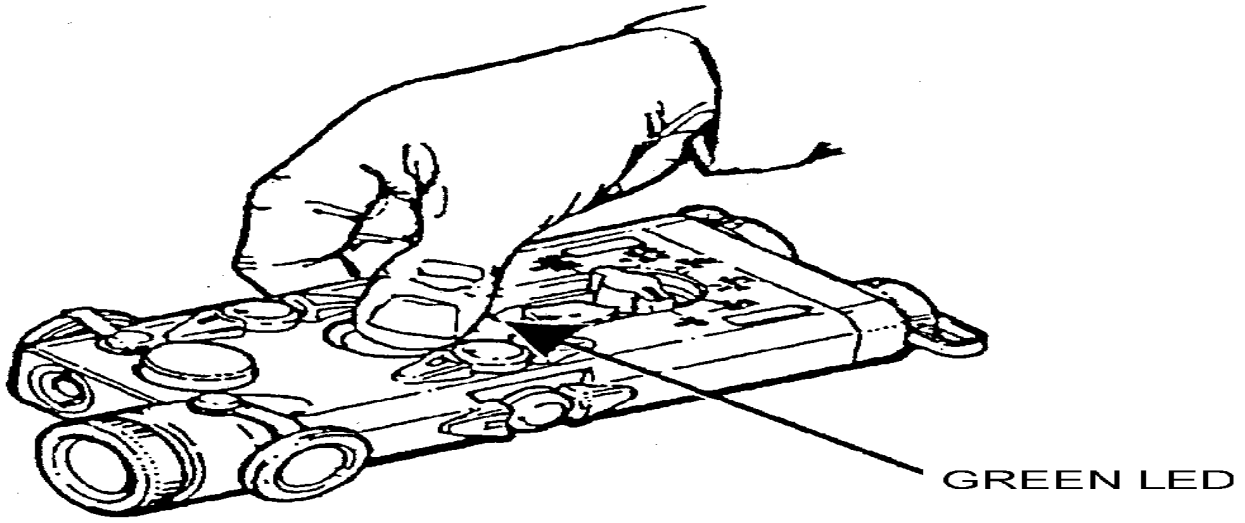
TRAINING MODE (BLUE SIDE UP)



TACTICAL MODE (BLACK SIDE UP)

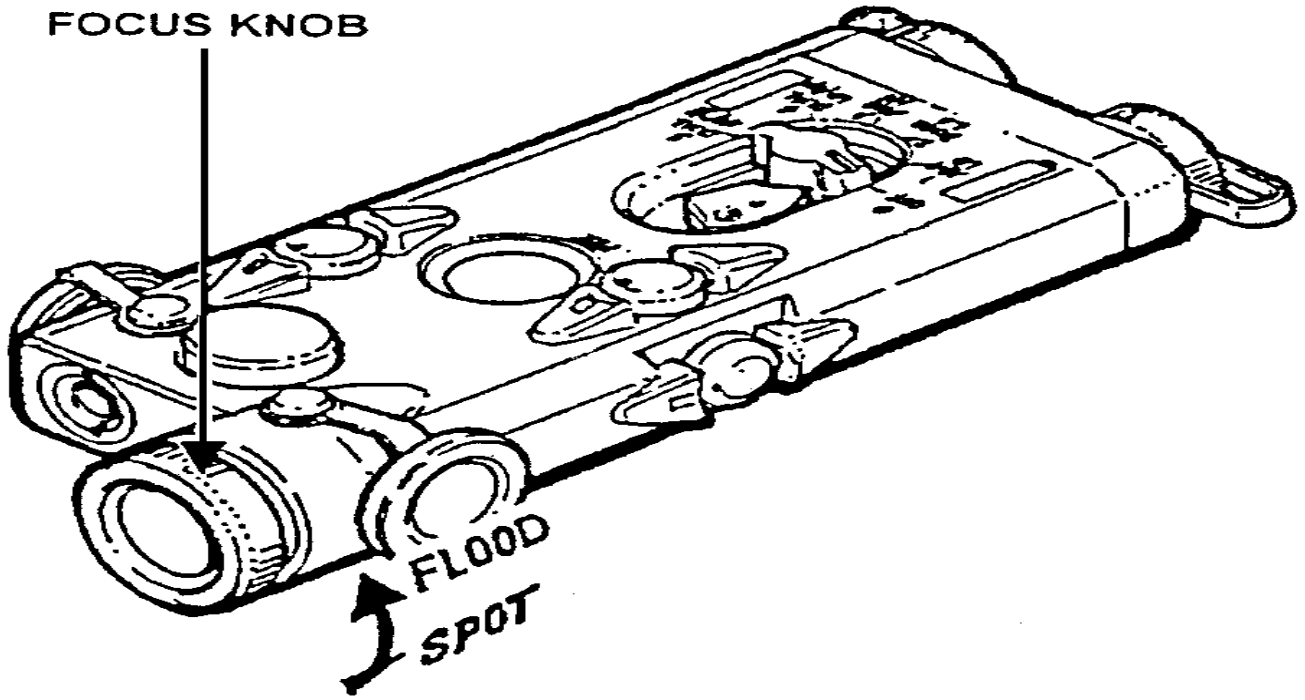
BUTTON SWITCH

- Pressing the button switch twice in rapid succession will lock the sight in the on position.



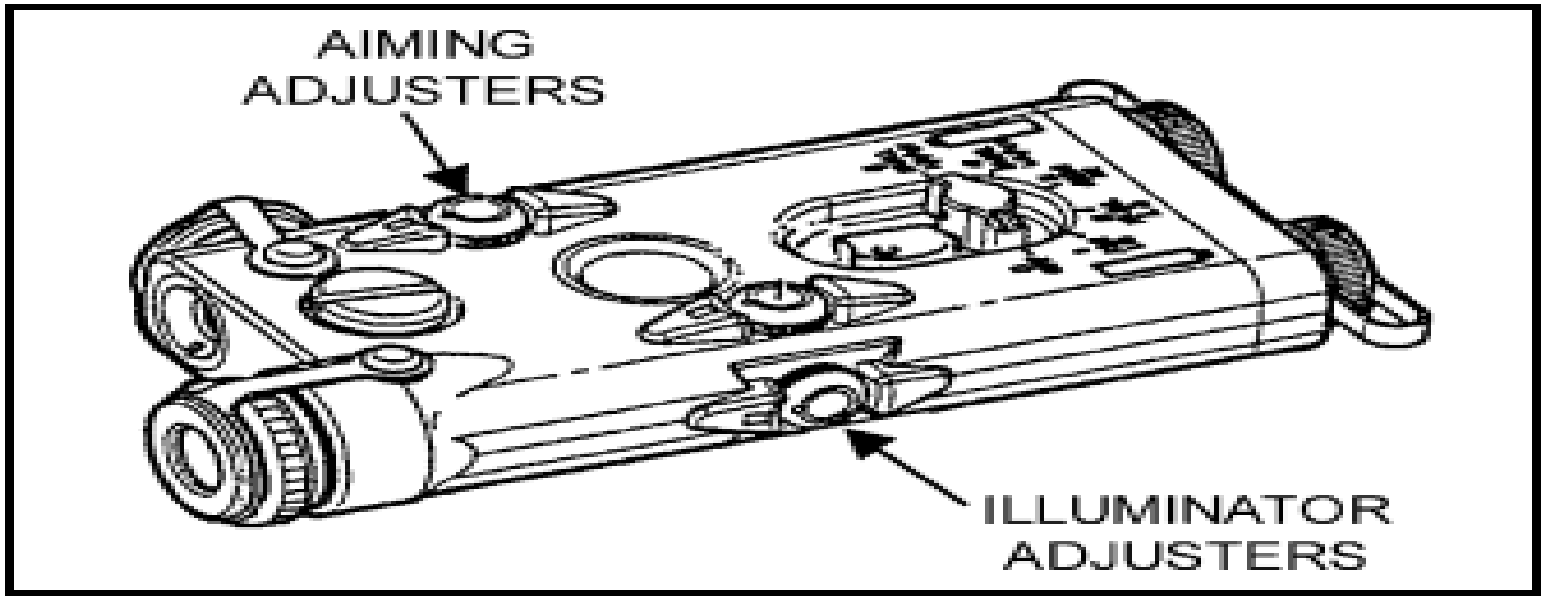
FOCUS KNOB

- Vary the beam spread.



BORESIGHT ADJUSTERS

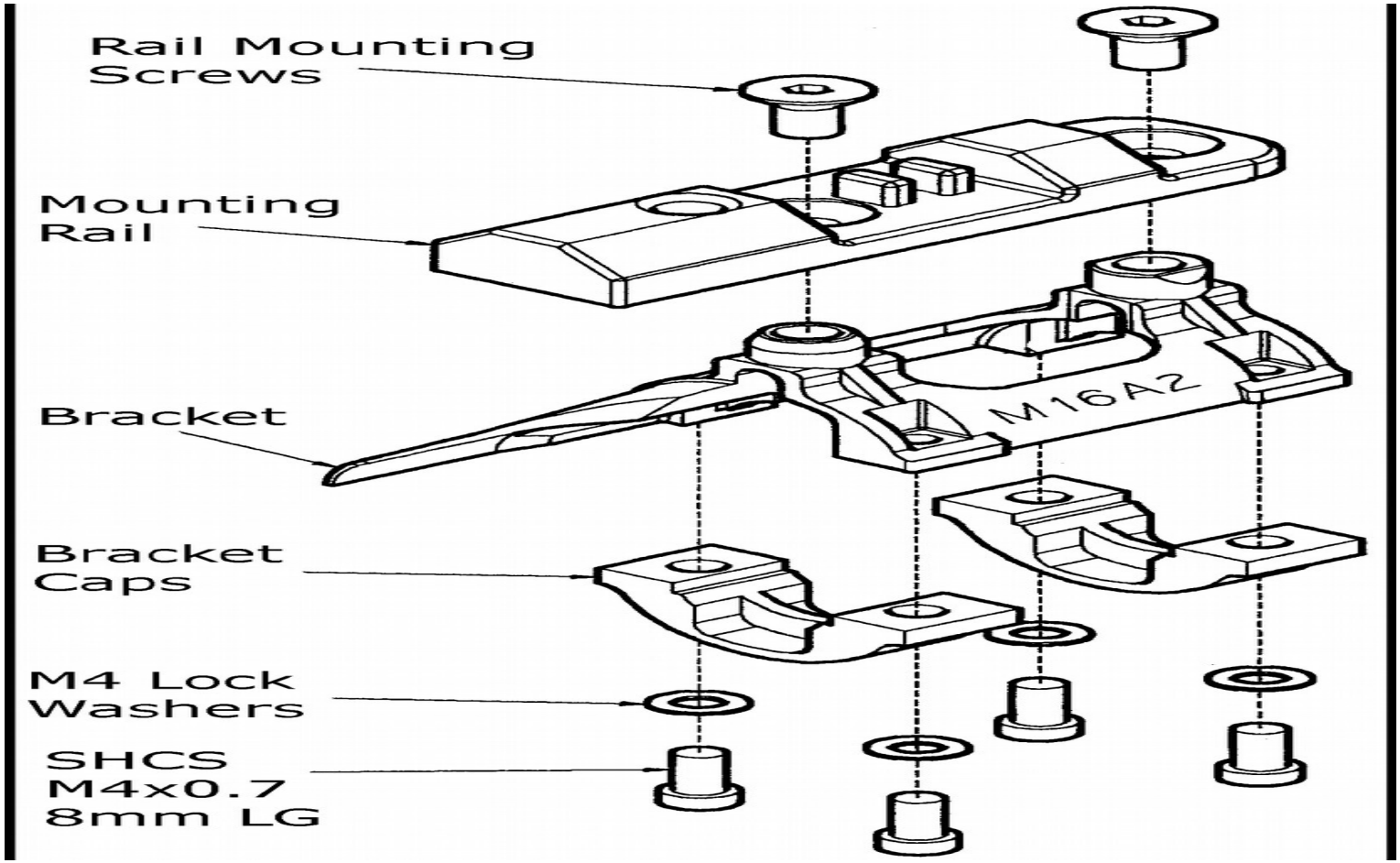
- Adjusting the aiming beam and illumination beam in both elevation and azimuth.



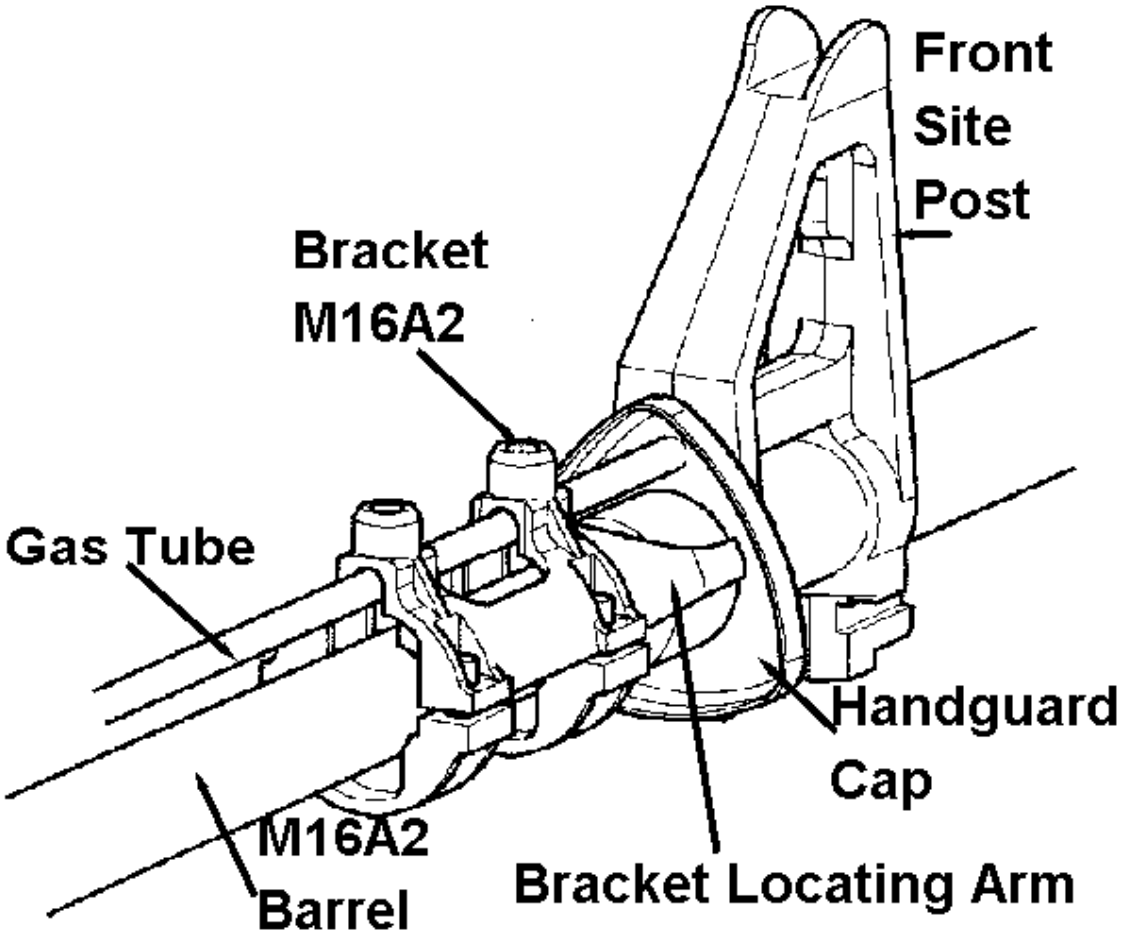
MOUTING PROCEDURES

- Mounting Bracket Assemblies.
- Equal Space Between the bracket and bracket caps.
- Failure to fully tighten screws may cause zero retention problems.

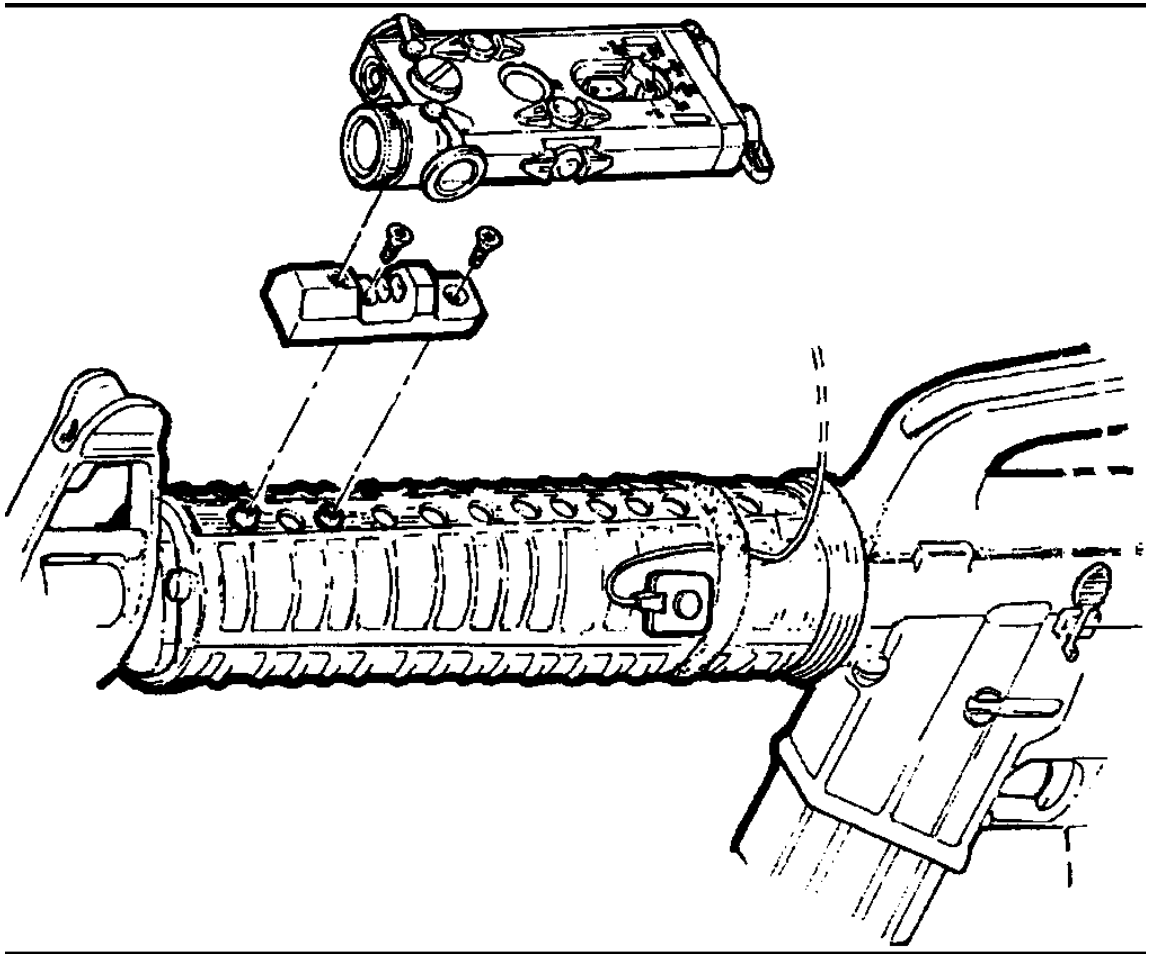
SERVICE RIFLE MOUNTING PROCEDURES



M16A2 MOUNTING PROCEDURES



M16A2 MOUNTING PROCEDURES



ZEROING PROCEDURES

- Zero Preset.

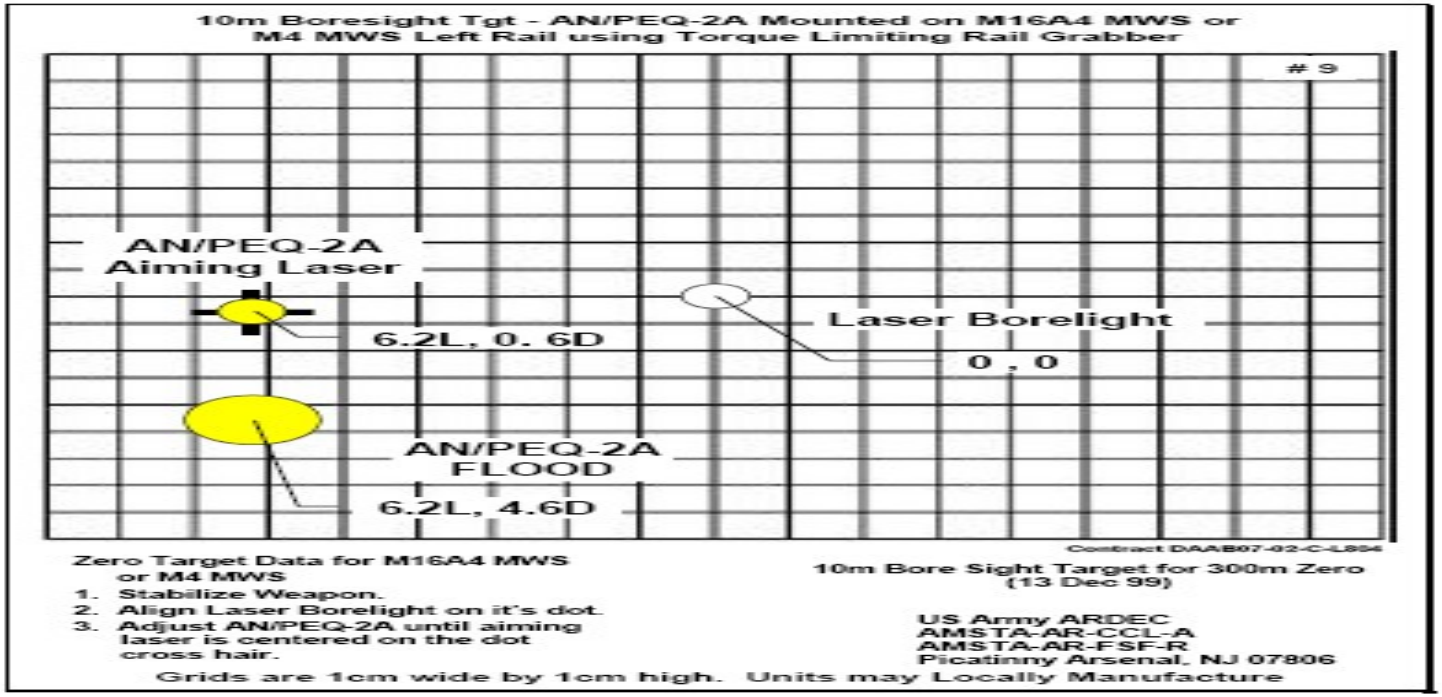
  The AN/PEQ-2A incorporates a unique zero preset feature which enables the aiming and illumination beams to be nearly zeroed when the AN/PEQ-2A is initially attached to the weapon.

ZEROING ON A 25 METER RANGE

- This procedure is used to zero the TPIAL to the weapons using live fire.
- Confirm that equipment is tight prior to zeroing.
- Each adjuster click moves the strike point one square on the 25 meter zeroing target.

ZEROING USING THE LASER BORESIGHT

- Boresight targets are included with the laser borelight system.



CHARACTERISTICS OF AN AN/PVS-7 NIGHT VISION GOGGLES

- Requires some moonlight or starlight to operate.

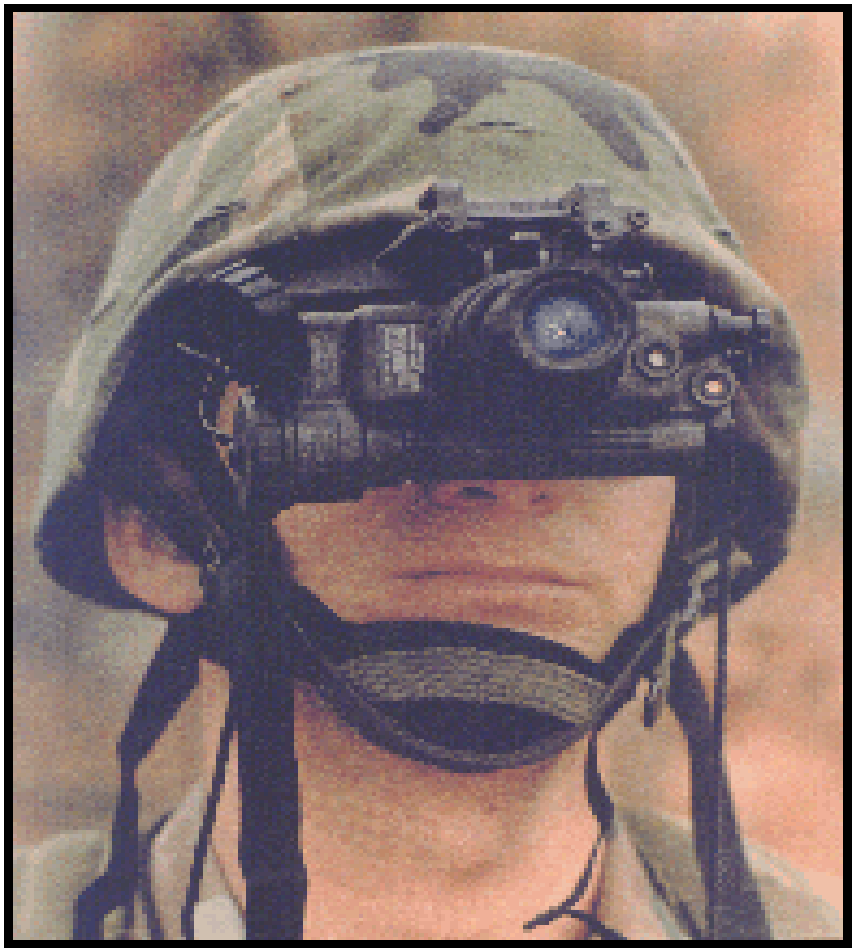
CHARACTERISTICS OF AN AN/PVS-7 NIGHT VISION GOGGLES

- Compass
- Head mount assembly
- Helmet mount assembl

AN/PVS-7 NIGHT VISION SIGHT CONTROLS

OPERATION OF AN/PVS-7 NIGHT VISION GOGGLES

- Operation of the AN/PS -7 night vision sight is relatively simple and consists of performing the following performance steps.



DEMONSTRATION

PRACTICAL APPLICATION

SUMMARY